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- 7. This disadvantage manifests itself during maneuvers. Abrupt increases in speed, and the resulting larger steam demands (Dampfent-nahmen), are timited by the tank capacity of the boiler to the extent that a direct synchronized linkage of steam consumption and the supply of boiler feed water cannot be provided. On the other hand, sudden reductions in speed mean that great quantities of steam are to be reduced in pressure and cannot be blown off into the atmosphere, because they consist of potential feed water which cannot be replaced on shipboard.
- 8. It is, therefore, arranged that the steam which has lost its pressure is led away in the so-called "over-production circuit" (Teberproduktionsleitung) and condensed.
- 9. The experience of the Jerman Navy indicates that it is not extraordinarily difficult to design a serviceable reduction valve to provide for the unimpeded removal of the heat of the steam which has been reduced in pressure.

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